ATN DNVM-2
ATN DNVM-4
ATN DNVM-6

DIGITAL NIGHT VISION MONOCULAR

Manual (DNVM-2/4/6) Revision 2 - March, 2013

user's guide

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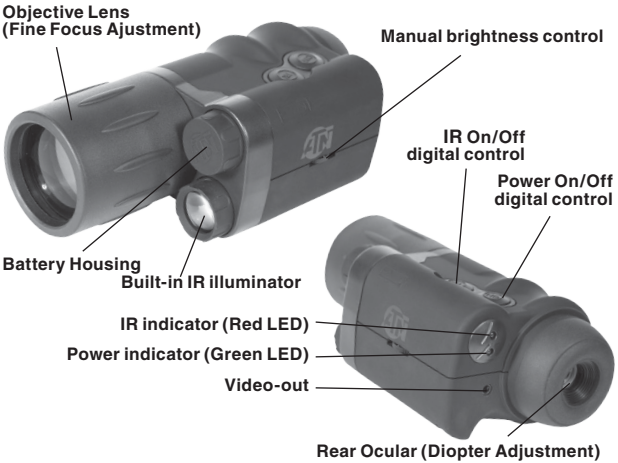
AMERICAN TECHNOLOGIES NETWORK CORP.



FEATURES

- Advanced low-light sensor technology
- High quality optics for maximum light transmission
- Diopter Adjustment for clarity
- Powerful infrared illuminator to allow vision in total darkness
- Lithium battery for extended use (included)
- Ergonomically designed body fits in the palm of your hand
- Adjustable Gain/Brightness control
- Video-out
- Use Day or Night
- Limited two year warranty

CAUTION:

THIS PRODUCT CONTAINS NATURAL RUBBER LATEX WHICH MAY CAUSE ALLERGIC REACTIONS.

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SPECIFICATIONS

	DNVM-2	DNVM-4	DNVM-6
Technology	Advanced Low-light digital imaging		
Magnification	2x	4x	6x
Lens diameter	24 mm	42 mm	52 mm
Field of view	15°	12°	8°
Focus range	1 yard/m to inf.	2 yard/m to inf.	5 yard/m to inf.
Diopter adjustment	±5		
Power supply	1 x 3V(CR123A)		
Operating temperature	-22°F to +140°F/ -30°C to +60°C		
Dimensions	7"x3"x2.5"/ 175 x 76 x64 mm	7.2"x3"x2.5"/ 183 x 76 x64 mm	7.5"x3"x2.5"/ 200 x 76 x64 mm
Weight	1.0 lb/ 450 g	1.1 lb / 500 g	1.2lbs / 550 g

* ATN reserves the right to change the above specifications at any time without notice

APPLICATION

For today's budget conscious outdoor enthusiast ATN presents the DNVM Digital night vision monoculars.

Recent advancements in low light digital sensor technology have allowed us to create a new line of night vision monculars that provide the user with superior clarity and a high light gain at a minimal cost. A wide array of magnification options combined with a compact, ergonomic design make the DNVM line from ATN an excellent unit for your night vision needs.

The ATN DNVMs are perfect for camping, boating, or home security.

BATTERY INSTALLATION

Unpack the device. Remove from carrying case.

Insert the battery, as follows:

1) Unscrew the battery compartment cover.

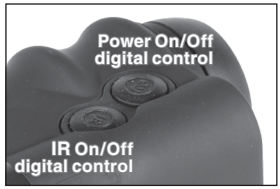
2) Insert the battery in the battery compartment observing the right polarity, which is shown on the side of the unit.

3) Reattach the battery compartment cover.

After installing the battery, DNVM is ready for use.

OPERATION

TURN UNIT ON/OFF



• Remove the lens cap. (please note one of the advantages of using a digital night vision unit is you can use during the daytime without worry of damage)

• To turn on the device push the button marked “ON”. After this you can start observing. The lit screen of the digital unit means that the device is working normally. The power indicator LED will glow green.

• To turn off the device push the button marked “ON” again. The lit screen will go dark. The green power indicator LED will turn off.

FOCUS

• Your digital unit has two focusing methods. Distance and diopter. Your front lens works as your distance focus and your eyepiece is your diopter.

• Turn eyepiece to ensure clear screen image.

• Turn front lens to obtain a sharp image of viewed objects.

IR ILLUMINATION

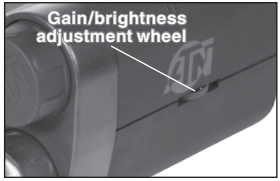
In dark environments to achieve maximum performance turn on the IR illuminator.

• Turn on the IR illuminator push the button marked “IR”

• The IR indicator light will show red when illuminator is on.

• Turn off the illuminator push the button marked “IR” button again. The red power indicator LED will turn off.

ADJUSTABLE MANUAL GAIN/BRIGHTNESS



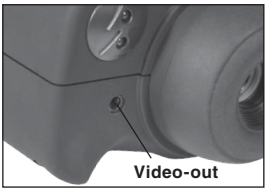
The DNVMs have an advanced manual gain/brightness adjustment wheel. This wheel will allow you to be able to maximize the DNVMs brightness to area you are viewing. Turn the wheel back and forth while viewing through the device to lower or increase the brightness of the unit. Too much gain will give you a white or washed out image. Too low of a gain will produce a black or snowy/grainy image.

VIDEO-OUT

To make a video connection:

1) Insert a composite video cable to the Video-out jack on the DNVM.

2) Connect the other end of the cable to the TV/monitor video input jack.



STORAGE AND CARE

• If the device will not be in use for extended period of time (more than 10 days) remove the battery. This will prevent leakage of the battery and damage of contacts in the battery compartment.

• Avoid touching of lenses. If fingerprints or traces of dirt or dust appear, clean their surface with a Photographic lens cleaning tissue.

• Keep lens cap/daylight filter on when not in use.

• The DNVM is not harmful to the user or the environment.

• Do not disassemble: it will void your warranty.

• Evaluate the scope functionality by looking through it in a lit environment

• Adverse atmospheric conditions such as fog, smog, or haze and a lack of ambient light (moon or starlight) may diminish the effective viewing distance.

• If you use the rubber eyecaps for a long period of time, you may suffer skin inflammation. If you develop any symptoms, consult a doctor immediately.

TROUBLESHOOTING

Q: Image dark/grainy

S: Turn on IR illuminator. Increase gain by adjusting the manual gain/ brightness adjustment knob

Q: Image white/washed out

S: Turn off IR illuminator. decrease gain by adjusting the manual gain/ brightness adjustment knob

2 YEAR PRODUCT WARRANTY

This product is guaranteed to be free from manufacturing defects in material and workmanship under normal use for a period of 2 (two) years from the date of purchase. In the event a defect that is covered by the foregoing warranty occurs during the applicable period stated above, ATN, at its option, will either repair or replace the product, and such action on the part of ATN shall be the full extent of ATN's liability, and the Customer's sole and exclusive remedy. This warranty does not cover a product (a) used in other than its normal and customary manner; (b) subjected to

misuse; (c) subjected to alterations, modifications or repairs by the Customer of by any party other than ATN without prior written consent of ATN; (d) special order or “close-out” merchandise or merchandise sold “as-is” by either ATN or the ATN dealer; or (e) merchandise that has been discontinued by the manufacturer and either parts or replacement units are not available due to reasons beyond the control of ATN. ATN shall not be responsible for any defects or damage that in ATN’s opinion is a result from the mishandling, abuse, misuse, improper storage or improper operation, including use in conjunction with equipment which is electrically or mechanically incompatible with or of inferior quality to the product, as well as failure to maintain the environmental conditions specified by the manufacturer. This warranty is extended only to the original purchaser. Any breach of this warranty shall be waived unless the customer notifies ATN at the address noted below within the applicable warranty period.

The customer understands and agrees that except for the foregoing warranty, no other warranties written or oral, statutory, expressed or implied, including any implied warranty of merchantability or fitness for a particular purpose, shall apply to the product. All such implied warranties are hereby and expressly disclaimed.

LIMITATION OF LIABILITY

ATN will not be liable for any claims, actions, suits, proceedings, costs, expenses, damages or liabilities arising out of the use of this product. Operation and use of the product are the sole responsibility of the Customer. ATN’s sole undertaking is limited to providing the products and services outlined herein in accordance with the terms and conditions of this Agreement. The provision of products sold and services performed by ATN to the Customer shall not be interpreted, construed, or regarded, either expressly or implied, as being for the benefit of or creating any obligation toward any third party of legal entity outside ATN and the Customer; ATN’s obligations under this Agreement extend solely to the Customer. **ATN’s liability hereunder for damages, regardless of the form or action, shall not exceed the fees or other charges paid to ATN by the customer or customer’s dealer. ATN shall not, in any event, be liable for special, indirect, incidental, or consequential damages, including, but not limited to, lost income, lost revenue, or lost profit, whether such damages were foreseeable or not at the time of purchase, and whether or not such damages arise out of a breach of warranty, a breach of agreement, negligence, strict liability or any other theory of liability.**

PRODUCT WARRANTY REGISTRATION

In order to validate the warranty on your product, ATN must receive a completed Product Warranty Registration Card for each unit or complete warranty registration on our website at www.atncorp.com. Please complete the included form and immediately mail it to our Service Center: ATN Corporation, 1341 San Mateo Avenue, South San Francisco, CA 94080.

OBTAINING WARRANTY SERVICE

To obtain warranty service on your unit, End-user must notify ATN service department by calling **800-910-2862** or **650-989-5100** or via e-mail **service@atncorp.com** to receive a Return Merchandise Authorization number (RMA). When returning please take or send the product, postage paid, with a copy of your sales receipt to our service center, ATN Corporation at the address noted above. All merchandise must be fully insured with the correct postage; ATN will not be responsible for improper postage or, missing or damaged merchandise during shipment. When sending product back, please clearly mark the RMA# on the outside of the shipping box. Please include a letter that indicates your RMA#, Name, Return Address, reason for service return, Contact information such as valid telephone numbers and/or e-mail address and proof of purchases that will help us to establish the valid start date of the warranty. **Product merchandise returns that do not have an RMA listed may be refused or a significant delay in processing may occur.** Estimated Warranty service time is 10-20 business days. End-user/customer is responsible for postage to ATN for warranty service. ATN will cover return postage/shipping after warranty repair to end-user/customer only if product is covered by aforementioned warranty. ATN will return product after warranty service by domestic UPS ground and/or domestic mail. Any other requested or required shipping method the postage/shipping fee will be the responsibility of the end-user/customer.

For customer service and technical support,
please contact

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